

What is claimed as new and desired to be protected by Letters Patent of the  
United States is:

1. A portable memory module comprising:  
  
at least one memory device;  
  
a transmitter/receiver circuit for (i) wirelessly receiving data communicated to  
said module and (ii) wirelessly transmitting data from said module; and  
  
a controller in communication with said at least one memory device and said  
transmitter/receiver circuit for storing data in said memory device received by said  
transmitter/receiver circuit and for returning data from said memory device for  
transmission by said transmitter/receiver circuit from said module.
2. A memory module according to claim 1, wherein said wireless transmission  
and reception uses radio waves.
3. A memory module according to claim 2, wherein the frequency of said radio  
waves is in the range of about 900 MHz to about 10 GHz.
4. A memory module according to claim 2, wherein said radio waves are  
Bluetooth™ compliant radio waves.

6. A memory module according to claim 3, wherein said frequency is about 2.4 GHz.

8. A memory module according to claim 1, further comprising a self-contained electrical power supply unit at said module for providing operating power to electrical components at said module.

10. A memory module according to claim 9, wherein said at least one battery is rechargeable.

11. A memory module according to claim 10, said power supply unit further comprising terminals for communicating with a recharger for recharging said at least one rechargeable battery.

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13. A memory module according to claim 1, wherein said memory device comprises a flash memory device.

14. A processor system for communicating with a portable memory module, said processor system comprising:

at least one memory device;

a transmitter/receiver circuit for (i) wirelessly receiving data communicated to said system and (ii) wirelessly transmitting data from said system; and

a controller in communication with said at least one memory device and said transmitter/receiver circuit for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said system.

15. A processor system according to claim 14, wherein said wireless transmission and reception uses radio waves.

16. A processor system according to claim 15, wherein the frequency of said radio waves is in the range of about 900 MHz to about 10 GHz.

17. A processor system according to claim 15, wherein said radio waves are Bluetooth™ compliant radio waves.

18. A processor system according to claim 15, wherein said transmitter/receiver automatically establishes a radio wave communications path when in the vicinity of another transmitter/receiver which transmits data to or receives data from said system.

19. A processor system according to claim 16, wherein said frequency is about 2.4 GHz.

20. A processor system according to claim 14, wherein said wireless transmission and reception uses light waves.

21. A processor system according to claim 14, further comprising a recharger for providing operating power to electrical components of said module.

22. A system for the portable transfer of data, said portable data transfer system comprising:

(a) a first processor system comprising:

at least one first processor system memory device;

a first processor system transmitter/receiver circuit for (i) wirelessly receiving data communicated to said first processor system and (ii) wirelessly transmitting data from said first processor system; and

a first processor system controller in communication with said at least one first processor system memory device and said first processor system transmitter/receiver circuit

for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said first processor system; and

(b) a portable memory module comprising:

at least one memory module memory device;

a memory module transmitter/receiver circuit for (i) wirelessly receiving data communicated to said module and (ii) wirelessly transmitting data from said module; and

a memory module controller in communication with said at least one memory module memory device and said memory module transmitter/receiver circuit for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said module.

23. A system for the portable transfer of data according to claim 22, said portable data transfer system further comprising:

a second processor system comprising:

at least one second processor system memory device;



28. A system for the portable transfer of data according to claim 25, wherein said frequency is about 2.4 GHz.

29. A system for the portable transfer of data according to claim 22, said memory module further comprising a self-contained electrical power supply unit at said module for providing operating power to electrical components at said module.

30. A system for the portable transfer of data according to claim 29, wherein said power supply unit comprises at least one battery.

31. A system for the portable transfer of data according to claim 30, wherein said at least one battery is rechargeable.

32. A system for the portable transfer of data according to claim 31, said power supply unit further comprising terminals for communicating with a recharger for recharging said at least one rechargeable battery.

33. A system for the portable transfer of data according to claim 32, wherein said recharger is a stand-alone recharger.

34. A system for the portable transfer of data according to claim 32, wherein said first processor system comprises said recharger.

35. A system for the portable transfer of data according to claim 32, wherein said wireless transmission and reception uses light waves.

36. A method of portable data transfer, said method comprising:

wirelessly transmitting data from a processor system to a portable memory module; and

receiving with said portable memory module said data transmitted from the processor system and storing said received data at said memory module.

37. A method according to claim 36, further comprising:

wirelessly transmitting said received and stored data from said portable memory module to a processor system.

38. A method according to claim 36, wherein said wireless transmission and reception uses radio waves.

39. A method according to claim 38, wherein the frequency of said radio waves is in the range of about 900 MHz to about 10 GHz.

40. A method according to claim 38, wherein said radio waves are Bluetooth™ compliant radio waves.

41. A method according to claim 36, wherein said wireless transmission and reception automatically establishes a radio wave communications path when in the vicinity of other wireless transmission and reception which transmits data to or receives data from said module and said processor system.

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42. A method according to claim 35, wherein said frequency is about 2.4 GHz.
43. A method according to claim 36, wherein said wireless transmission and reception uses light waves.
44. A portable memory module comprising:
- at least one memory device;
  - a receiver for receiving data wirelessly transmitted to said receiver; and
  - a controller for controlling the storage of data received by said receiver in said memory device.
45. A memory module according to claim 44, further comprising a self-contained power supply in said module for supplying operative power thereto.
46. A memory module according to claim 44, wherein said data is wirelessly transmitted using radio waves.
47. A memory module according to claim 46, wherein said radio waves are Bluetooth™ compliant radio waves.
48. A memory module according to claim 44, wherein said data is wirelessly transmitted using light waves.
49. A portable memory module comprising:

a transmitter for wirelessly transmitting data stored in said at least one memory device from said module; and

50. A memory module according to claim 49, further comprising a self-contained power supply in said module for supplying operative power thereto.

52. A memory module according to claim 51, wherein said radio waves are Bluetooth™ compliant radio waves.

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